



NUMBER: 09-011-22

GROUP: 09 - Engine

DATE: September 3, 2022

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SUBJECT:

Cold Engine Ticking Noise From Exhaust Manifold Area

OVERVIEW:

This bulletin involves replacing the exhaust manifolds.

MODELS:

2019 - 2021 (DT) Ram 1500 pickup

NOTE: This bulletin applies to vehicles within the following markets/countries: North America, Enlarged Europe, India/Aisa Pacific, Middle East/Africa and South America.

NOTE: This bulletin applies to vehicles built with the 5.7L V8 Hemi MDS VVT E-Torque engine (Sales Codes EZL) or the 5.7L V8 Hemi MDS VVT engine (Sales Codes EZH).

SYMPTOM/CONDITION:

The customer may describe an ticking noise from the exhaust manifold location(s) when cold.

DIAGNOSIS:

If the customer describes the symptom/condition listed above, perform the Repair Procedure.

PARTS REQUIRED:

Qty.	Part No.	Description
1 (AR)	68591572AA	RH Exhaust Manifold Kit
1 (AR)	68591573AA	LH Exhaust Manifold Kit

REPAIR PROCEDURE:

1. Start the vehicle cold. Listen for ticking noise that stops after engine is warmed up.
2. Shut engine off and allow engine to cool.
3. Remove exhaust manifold heat shield(s) from the side that is suspect to be leaking for manifold inspection .
4. Re-start cold engine and listen for noise source at exhaust manifold area.

5. Visually inspect for a cracked manifold and confirm it is not a casting parting line or casting fin in location shown. (Fig. 1)



Fig. 1
Exhaust Manifold Crack Area

1- Manifold Crack Area



Fig. 2
Exhaust Manifold Crack

6. If a cracked manifold is found, replace the exhaust manifold(s) that are cracked. Refer to the detailed service procedures available in DealerCONNECT>Service Library under: 09 - Engine, 5.7L / Manifolds / Manifold, Exhaust / Removal and Installation.

NOTE: Replace all fasteners to prevent bottoming in cylinder head. Fasteners were lengthened 6mm (Approximately 1/4 inch) when tie bars were added to exhaust manifolds.

NOTE: Use all kit components. Exhaust manifold, gasket, fasteners, heat shield and tie bar.

NOTE: Tie bars in kit must be used even if there were no tie bars originally.

NOTE: Right side fastener 06510140AA (front-most fastener) is 5mm (3/16 inch) shorter than other fasteners.

POLICY:

Reimbursable within the provisions of the warranty.

TIME ALLOWANCE:

Labor Operation No:	Description	Skill Category	Amount
09-45-01-A4	Exhaust Manifold - Replace (Both Sides) (1 - Semi-Skilled)	1 -Engine Repair and Performance	4.5 Hrs.
09-45-01-A3	Exhaust Manifold - Replace (Right Side Only) (1 - Semi-Skilled)	1 -Engine Repair and Performance	3.10 Hrs.
09-45-01-A2	Exhaust Manifold - Replace (Left Side Only) (1 - Semi-Skilled)	1 -Engine Repair and Performance	3.4 Hrs.

OPTIONAL EQUIPMENT:

09-45-01-67	4X4 Equipped	0.9 Hrs.
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FAILURE CODE:

ZZ	Service Action
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